

AMENDMENTS TO THE CLAIMS

Please amend claims 1, 8, 17, 24, 31, and 38, such that the status of the claims is as follows:

1. (Currently amended) An occlusion device having a right end and having a left end that is insertable through a septal defect, the occlusion device comprising:

- a center post extending to the left end of the occlusion device;
- a right occluding body comprising a first plurality of arms attached to the center post at radially innermost ends, wherein the center post extends through the right occluding body;
- a left occluding body comprising a second plurality of arms attached to the center post at radially innermost ends, the left occluding body being located closer to the left end of the occlusion device and the right occluding body being located closer to the right end of the occlusion device;
- a plurality of puller arms attached to the right occluding body for collapsing the right occluding body from a fully radially open state to a radially collapsed state, the puller arms being located on a right side of the right occluding body;
- a floating center located at the right end of the occlusion device external to the right occluding body and connected to the puller arms at a position to the right of both the right and left occluding bodies; and
- a grasping knob located on a right end of the floating center, wherein the floating center is positioned adjacent engaged with the center post without being latched when the right occluding body is in its fully radially open state, and is movable away to the right from the center post by force applied to the grasping knob in a direction to the right to cause the puller arms to radially collapse the right occluding body.

2. (Original) The mechanism of claim 1 wherein the puller arms are constructed of nickel titanium.

3. (Original) The mechanism of claim 1 wherein an angle between adjacent puller arms is between about 5° and about 180°.

4. (Canceled)

5. (Previously presented) The mechanism of claim 1 wherein the floating center comprises an axially extending groove which reversibly connects with an axially extending pin extending from the center post.

6. (Previously presented) The mechanism of claim 1 wherein the floating center is constructed of platinum-iridium.

7. (Previously presented) The mechanism of claim 1 wherein the center post is constructed of platinum-iridium.

8. (Currently amended) A septal occlusion device having a right end and having a left end insertable through a septal defect, the septal occlusion device comprising:

right and left occluding bodies comprising right and left collapsible support frames, respectively, each support frame comprising a plurality of support arms attached at radially innermost ends to a center section which extends through the right occluding body to a left end of the occlusion device, the right occluding body positioned to the right of the left occluding body, the left occluding body being insertable in a radially collapsed state through a septal defect so that when the septal occlusion device is deployed within a heart of a patient to close a septal defect in the heart, the right occluding body is located in a right chamber of the heart and the left occluding body is located in a left chamber of the heart;

a plurality of puller arms attached to the right occluding body;

a floating center positioned to the right of both the right and left occluding bodies, the center section and the plurality of puller arms, the floating center being external to the right occluding body; and

a grasping knob located at the right end of the floating center, which, when pulled away to the right from the center section, pulls the puller arms to collapse the right collapsible support frame from a fully radially open state where the floating center ~~is adjacent~~ engages the center section without being permanently connected to the center section to a radially collapsed state such that the device is capable of being retrieved.

9. (Original) The device of claim 8 wherein the arms are constructed of nickel titanium.

10. (Original) The mechanism of claim 8 wherein an angle between adjacent puller arms is between about 5° and about 180°.

11. (Canceled)

12. (Previously presented) The device of claim 8 wherein the floating center comprises an axially extending groove which reversibly connects with an axially extending pin extending from the center section.

13. (Previously presented) The device of claim 8 wherein the floating center is constructed of platinum-iridium.

14. (Previously presented) The device of claim 8 wherein the center section is constructed of platinum-iridium.

15. (Previously presented) The device of claim 8 wherein the support frames each comprise a wire hoop attached to radially outermost ends of the plurality of support arms.

16. (Original) The device of claim 15 wherein the support arms are constructed of stranded wire.

17. (Currently amended) An occlusion device having a right end and a left end, the left end being insertable through a septal defect, the occlusion device comprising:

- a center section extending in an axial direction to the left end of the occlusion device;
- right and left elastic shape memory fixation devices each comprising a plurality of arms attached to the center section at radially innermost ends such that each fixation device extends radially outward from the center section;
- right and left sheets attached to the right and left fixation devices, respectively so that the left sheet is closer to the left end of the closure device, and the right sheet is closer to the right end of the closure device, wherein the center section extends through the right sheet;
- a plurality of puller arms connected to the right fixation device, the puller arms being positioned on a right side of the right fixation device;
- a floating center positioned to the right of the center section and to the right of both the left and right sheets, and connected to the puller arms, the floating center being external to the right fixation device; and
- a grasping knob located at the right end of the floating center, which, when pulled away from the center section, pulls the puller arms to collapse the right fixation device, and right sheet from a fully radially open state where the floating center is adjacent engages the center section without being permanently connected to the center section to a radially collapsed state such that the device is capable of being retrieved.

18. (Original) The occlusion device of claim 17 wherein the arms are constructed of nickel titanium.

19. (Original) The mechanism of claim 17 wherein an angle between adjacent puller arms is between about 5° and about 180°.

20. (Canceled)

21. (Previously presented) The occlusion device of claim 17 wherein the floating center comprises an axially extending groove which reversibly connects with an axially extending pin extending from the center section.

22. (Previously presented) The occlusion device of claim 17 wherein the floating center is constructed of platinum-iridium.

23. (Previously presented) The occlusion device of claim 17 wherein the center section is constructed of platinum-iridium.

24. (Currently amended) An occlusion device for occluding a septal defect, the occlusion device having a right end and having a left end insertable through the septal defect, the occlusion device comprising:

- a center post extending to the left end of the occlusion device;

- a right occluding body comprising a first plurality of arms attached to the center post at radially innermost ends such that the right occluding body extends radially outward from the center post, and a first sheet attached to the first plurality of arms, wherein the center post extends through the first sheet;

- a left occluding body comprising a second plurality of arms attached to the center post at radially innermost ends such that the left occluding body extends radially outward from the center post, and a second sheet attached to the second plurality of arms;

- a plurality of puller arms connected to the right occluding body and positioned to the

right of the right occluding body;
a floating center positioned to the right of both the right and left occluding bodies,
the center post, and to the right of the plurality of puller arms, the
floating center being external to the right occluding body; and
a grasping knob located at the right end of the floating center so that, when the
grasping knob and floating center are pulled away from the center post, the
floating center pulls the puller arms to collapse the right occluding
body from a fully radially open state where the floating center is ~~adjacent~~
engages the center post without being permanently connected to the
center post to a radially collapsed state such that the device is capable of
being retrieved.

25. (Original) The occlusion device of claim 24 wherein the arms are constructed of nickel titanium.

26. (Original) The mechanism of claim 24 wherein an angle between adjacent puller arms is between about 5° and about 180°.

27. (Canceled)

28. (Previously presented) The occlusion device of claim 24 wherein the floating center comprises an axially extending groove which reversibly connects with an axially extending pin extending from the center post.

29. (Previously presented) The occlusion device of claim 24 wherein the floating center is constructed of platinum-iridium.

30. (Previously presented) The occlusion device of claim 24 wherein the center post is constructed of platinum-iridium.

31. (Currently amended) An occlusion device for the closure of a physical anomaly, the occlusion device having a right end and having a left end that is insertable through the physical anomaly, the occlusion device comprising:

- a center post extending to the left end of the occlusion device;
- a right set of support arms attached at radially innermost ends to the center post such that the right set of support arms extends radially outward from the center post;
- a right sheet attached to the first set of support arms, wherein the center post extends through the right sheet;
- a left set of support arms attached at radially innermost ends to the center post such that the left set of support arms extends radially outward from the center post;
- a left sheet attached to the second set of support arms;
- a floating center located at the right end of the device, to the right of the center post, the right and left sets of support arms and the right and left sheets, the floating center being external to the right sheet;
- a grasping knob located on a right end of the floating center; and
- a plurality of puller arms attached to the floating center and first set of support arms which radially collapse the right set of support arms and the right sheet from a fully radially open and deployed state where the floating center is ~~adjacent~~ engaged with the center post without being permanently connected to the center post to a radially collapsed state when the grasping knob is pulled away in a right direction from the center post.

32. (Original) The occlusion device of claim 31 wherein the arms are constructed of nickel titanium.

33. (Original) The mechanism of claim 31 wherein an angle between adjacent puller arms is between about 5° and about 180°.

34. (Canceled)

35. (Previously presented) The occlusion device of claim 31 wherein the floating center comprises an axially extending groove which reversibly connects with an axially extending pin extending from the center post.

36. (Previously presented) The occlusion device of claim 31 wherein the floating center is constructed of platinum-iridium.

37. (Previously presented) The occlusion device of claim 31 wherein the center post is constructed of platinum-iridium.

38. (Currently amended) An occlusion device having a right end and having a left end that is insertable through a septal defect, the occlusion device comprising:

- a right collapsible support frame comprising a plurality of arms;

- a left collapsible support frame comprising a plurality of arms;

- a center post attached to radially innermost ends of the right and left support frames and extending to the left end of the occlusion device;

- a right sheet attached to the right collapsible support frame, the center post extending through the right sheet;

- a left sheet attached to the left collapsible support frame, the left sheet being closer to the left end of the occlusion device and the right sheet being closer to the right end of the occlusion device;

- a plurality of puller arms attached to the right support frame and located to the right of the right support frame;

- a floating center located at the right end of the occlusion device, and located to the right of the center post, the right and left support frames and the right and left sheets, the floating center being external to the right support frame; and

a grasping knob located on a right end of the floating center, which, when pulled to the right away from the center post, causes the puller arms to collapse the right collapsible support frame from a fully radially open state where the floating center is ~~is adjacent~~ engages the center post without being permanently connected to the center post to a radially collapsed state such that the device is capable of being retrieved.

39. (Original) The occlusion device of claim 38 wherein the arms are constructed of nickel titanium.

40. (Original) The mechanism of claim 38 wherein an angle between adjacent puller arms is between about 5° and about 180°.

41. (Canceled)

42. (Previously presented) The occlusion device of claim 38 wherein the floating center comprises an axially extending groove which reversibly connects with an axially extending pin extending from the center post.

43. (Original) The occlusion device of claim 38 wherein the floating center is constructed of platinum-iridium.

44. (Previously presented) The occlusion device of claim 38 wherein the center post is constructed of platinum-iridium.